| Rejected   |               | Shouxiang   |                      |            |                    |          |          |           |          |          |          |            |      |       | <u>g F</u> | Hu 2811  |          |          |          |          |              |             |             |                           |                | $\perp$ |                    |           |          |          |          |          |           |          |             |   |   |
|--|---------------|-------------|----------------------|------------|--------------------|----------|----------|-----------|----------|----------|----------|------------|------|-------|------------|----------|----------|----------|----------|----------|--------------|-------------|-------------|---------------------------|----------------|---------|--------------------|-----------|----------|----------|----------|----------|-----------|----------|-------------|---|---|
| Claim  |               |             |                      |            |                    |          |          |           |          |          |          |            |      |       |            |          |          |          |          |          |              |             |             |                           |                |         |                    |           |          |          |          |          |           |          |             |   |   |
| Claim  |               |             | / Data start         |            |                    |          |          |           |          |          |          | <b>(</b> T | hrou | igh r | ıun        | ner      | ral)     |          |          | A 1      |              | <b>51</b> - | 4           |                           |                |         | A====!             |           |          |          |          |          |           |          |             |   |   |
| Claim  |               |             | √   Rejected         |            |                    |          |          |           | l        | Cancel   |          |            |      |       | lle        | ed       |          |          |          | N        | Non-Elected  |             |             |                           |                | Α       | Appeal             |           |          |          |          |          |           |          |             |   |   |
| Claim  |               |             |                      |            |                    |          |          |           |          |          |          |            |      |       |            |          |          |          |          |          |              |             |             |                           |                | H       |                    |           |          |          |          |          |           |          |             |   |   |
| Claim  |               | = Allowed   |                      |            |                    |          |          |           | ÷ Re:    |          |          |            |      | stri  | stricted   |          |          |          |          |          | Interference |             |             |                           |                | o       |                    | Objected  |          |          |          |          |           |          |             |   |   |
| E      |               |             |                      |            |                    |          |          |           |          |          |          |            |      |       |            |          |          |          |          |          |              |             |             |                           |                | Ш       |                    |           |          |          |          | ļ        |           |          |             |   |   |
| E      |               |             | τ                    |            |                    |          |          |           |          |          |          |            |      |       |            |          |          |          |          |          |              |             |             |                           |                |         |                    |           |          |          |          |          |           |          | i           |   |   |
| 1  | CI            |             |                      |            |                    |          |          |           |          |          |          |            | Cla  | Claim |            |          |          | _ (      | Date     | )ate     |              |             |             | :                         | CI             | aim     | <u> </u>           |           |          |          | Date     |          |           |          |             |   |   |
| 1  |               | ज           | 6                    |            |                    |          |          |           |          |          |          |            | _    | न     |            |          |          |          |          |          |              |             |             |                           | _              | व       |                    |           |          | ı        |          |          |           |          |             |   |   |
| 1  | i.a           | gi          | 23                   |            | - 1                |          |          |           | Ī        |          |          |            | ina  | gin   |            |          |          |          |          |          |              |             | - ] :       | ٠ ا                       | ina            | gin     |                    |           |          |          |          |          |           |          |             |   |   |
| 1  | u.            | ő           | 04                   | <b>↓  </b> |                    |          | 1        |           |          |          |          | ٠.         | ĬĪ.  | ö     |            |          |          |          |          | ľ        | Ì            |             |             |                           | iE             | Örj     |                    |           | 1        |          |          |          |           |          |             |   |   |
| 1  | -             |             | ـــــ                |            |                    |          |          |           |          | _        |          |            |      |       | <u> </u>   |          |          |          |          |          | _            | _           |             |                           |                |         | Ш                  |           |          | 4        |          |          |           |          |             |   |   |
| S  | ļ             | <del></del> |                      |            | -                  | _        |          | $\dashv$  | $\dashv$ | $\dashv$ |          |            |      |       |            |          |          |          |          |          | -            | +           | ┦.          | .                         |                |         |                    |           |          |          |          |          |           |          |             |   |   |
| 1  |               |             | 14                   | $\square$  |                    | $\dashv$ |          | $\dashv$  |          | $\dashv$ |          | Ì          |      |       |            |          |          |          |          |          | $\dashv$     | +           | -1:         | : }                       |                |         |                    |           |          | $\dashv$ | -1       |          |           |          |             | Í |   |
| S  |               | <del></del> | ╂╂                   |            |                    | -        | -        | -         | $\dashv$ | $\dashv$ | _        |            |      |       |            |          |          |          |          |          | $\dashv$     | +           | ⊣ ։         | :                         |                |         |                    |           |          | $\dashv$ | $\dashv$ |          |           |          | -           | 1 |   |
| 6     106     107       7     107     107       8     108     108       9     10     60     110       11     61     111     111       12     62     1112     112       13     63     113     114       14     64     114     114       15     65     115     115       16     66     66     115       17     67     117     117       18     68     118     119       19     69     119     120       20     70     120     120       21     71     121     121       22     72     122     122       23     73     123     124       24     74     74     124     124       25     75     76     126     127       28     78     78     128     129       30  | }             |             | ╫                    |            | $\dashv$           | $\dashv$ | -        | $\dashv$  | $\dashv$ | $\dashv$ | _        | - '        |      |       |            | -        |          |          |          | $\dashv$ | $\dashv$     | $\dashv$    | į.          |                           |                |         | $\left  - \right $ |           | $\dashv$ | $\dashv$ |          |          | _         |          |             |   |   |
| 7     1     107     108     108     108     109     109     109     100     100     100     100     100     100     100     100     110     110     110     110     110     110     110     1110     1110     1110     1110     1111     1111     111 </td <td>\<del></del></td> <td></td> <td><math>oldsymbol{H}</math></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>+</td> <td><math>\dashv</math></td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td><math>\dashv</math></td> <td><math>\dashv</math></td> <td>-{:</td> <td>-</td> <td></td> <td></td> <td> - </td> <td><math>\dashv</math></td> <td><math>\dashv</math></td> <td>┥</td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> | \ <del></del> |             | $oldsymbol{H}$       |            | -                  | -        | -        | +         | $\dashv$ | +        |          |            |      |       | -          |          |          |          | -        |          | $\dashv$     | $\dashv$    | -{:         | -                         |                |         | -                  | $\dashv$  | $\dashv$ | ┥        | -        | -        |           |          |             | 1 |   |
| S  |               |             | +                    |            | ┪                  | $\dashv$ |          | $\dashv$  | $\dashv$ | $\dashv$ |          |            |      |       |            |          |          |          |          |          | $\dashv$     | $\dashv$    | ┨.          | ·                         |                |         | $\vdash$           | $\dashv$  | $\dashv$ | $\dashv$ | -        | $\dashv$ |           |          | -           | 1 |   |
| 9  | -             |             | ${\dagger}{\dagger}$ |            | $\dashv$           | 一        |          | $\dashv$  | $\dashv$ | $\dashv$ |          | -          |      |       |            |          |          |          |          | -        | 一            | $\dashv$    | ┥:          | -                         |                |         | -                  |           | $\dashv$ | $\dashv$ | _        | $\dashv$ | _         |          |             |   |   |
| 10   |               |             | Ħ                    |            | 寸                  | $\dashv$ | _        | $\neg$    | $\dashv$ | 一        | $\neg$   |            |      |       |            |          |          |          |          |          | $\dashv$     | $\dashv$    | Ⅎ∷          | :::                       |                |         | $\vdash$           | 一         | _        | $\dashv$ | $\dashv$ | $\dashv$ | _         |          |             |   |   |
| 11   |               |             | $\dagger \dagger$    |            |                    |          |          | _         | _        | $\neg$   | _        | .:         |      |       |            |          |          |          |          |          | 一            | $\neg$      | ::          |                           |                |         | $\vdash$           | $\dashv$  | 7        | 7        | 一        | $\neg$   |           |          |             |   |   |
| 12   |               |             | 11                   |            |                    |          |          | $\exists$ |          | $\neg$   |          |            |      |       |            |          |          |          |          |          | 寸            | $\top$      | <b>-</b>    |                           |                |         |                    |           | 寸        |          |          |          |           |          |             |   |   |
| 13   |               | 12          | $\sqcap$             |            | $\neg$             | ヿ        |          | $\Box$    |          |          |          |            |      |       |            |          |          |          |          |          | $\neg$       |             | 7           |                           |                |         |                    | $\neg$    | 寸        | $\neg$   |          |          |           |          |             |   |   |
| 14   |               | 13          | П                    |            |                    |          |          |           |          |          |          | .:         |      | 63    |            |          |          |          |          |          |              |             | - L-        | · 1                       |                | 113     |                    | $\exists$ |          |          |          |          |           |          |             |   |   |
| 15   |               |             |                      |            |                    |          |          |           |          |          |          |            |      |       |            |          |          |          |          |          |              |             | -           | ٠ : ا                     |                |         |                    |           |          |          |          |          |           |          |             |   |   |
| 17   |               |             | П                    |            | $\Box$             |          |          |           |          |          |          |            |      |       |            |          |          |          |          |          |              |             |             |                           |                |         |                    |           |          |          |          |          |           |          |             |   |   |
| 18   |               |             | Ш                    |            |                    |          |          |           | _        | $\perp$  |          | -          |      |       |            |          |          |          |          |          |              |             | _ .:        |                           |                |         |                    | $\perp$   |          |          | _        |          |           |          |             |   |   |
| 19   |               |             | Ц.                   | $\sqcup$   | _                  | _        |          |           | $\dashv$ |          |          |            |      |       | Ш          |          |          |          |          | _        |              | _ _         | _ ՝.        | .                         |                |         |                    | _         | _}       | _        |          |          |           |          |             |   |   |
| 19   | ļ             |             | 1                    |            | $\dashv$           |          | _        |           | _        | $\dashv$ |          |            |      |       |            |          |          |          |          |          |              | _           |             | · L                       |                |         |                    |           | _        | _        | _        |          |           |          |             |   |   |
| 121  | <u> </u>      |             | #-                   |            | $\dashv$           | 4        |          |           |          |          | _        |            |      |       |            |          |          |          |          |          |              | _ -         | _ :         | -                         |                |         |                    | _         | _        | -        |          |          |           |          |             |   |   |
| 122  |               |             | ╂                    |            |                    |          | -        | $\dashv$  |          | $\dashv$ |          |            |      |       | $\vdash$   |          |          |          |          |          |              | -           | - [         | -                         |                |         |                    | $\dashv$  | -        | -        |          | $\dashv$ |           |          |             |   |   |
| 123  |               |             | ╂                    | $\vdash$   | $\dashv$           | $\dashv$ |          |           |          | -+       | $\dashv$ |            |      |       | $\vdash$   |          |          | -        |          | -        |              | -           | $\dashv$    | -                         |                |         | -                  |           | -        | $\dashv$ |          |          |           |          |             |   |   |
| 24     74     124       25     76     125       26     77     126       27     127     127       28     78     128       29     79     129       30     80     130       31     81     131       32     82     132       33     83     133       34     84     134       35     85     135       36     86     136       37     87     137       38     88     138       39     90     140       41     91     141       42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149   | -             |             | ╂╌                   |            | $\dashv$           | $\dashv$ |          | -         | -        |          | $\dashv$ |            |      |       |            | $\vdash$ | _        |          |          |          | -            |             | - :         | : }                       |                |         |                    | +         | $\dashv$ | -        |          | $\dashv$ |           |          |             |   |   |
| 26 +   |               | 24          | Η,                   |            | $\dashv$           | $\dashv$ | $\dashv$ | $\dashv$  |          | $\dashv$ | $\dashv$ |            |      |       |            |          |          |          |          |          |              |             | -:          | ·                         |                |         | $\vdash$           | $\dashv$  | -        | ┥        |          |          |           |          |             |   |   |
| 26 +   |               | 25          | ╁                    |            |                    |          |          |           |          | -+       | -        |            |      |       |            |          |          | $\dashv$ |          | +        | $\dashv$     | $\dashv$    | ⊢.          | ŀ                         |                |         | -                  | $\dashv$  |          |          |          |          |           |          |             |   |   |
| 27     28     77     128     128       29     79     129     129       30     80     130     130       31     81     131     131       32     82     132     132       33     84     134     134       35     85     135     136       36     86     136     137       38     88     138     138       39     89     139     140       40     90     140     141       41     91     141     142       43     93     143     144       44     94     144     144       45     95     145     146       47     97     147     147       48     98     148     149   | -             | 26          | 1                    |            |                    |          |          | -         | -        | -        | -        |            |      |       | Н          | _        |          | $\dashv$ |          | $\dashv$ | 十            | +           | Ⅎ∷          |                           | 1              |         | $\dashv$           |           | -+       |          |          |          | -         | $\vdash$ | $\dashv$    |   |   |
| 28     78     128       29     80     129       30     80     130       31     81     131       32     82     132       33     83     133       34     84     134       35     85     135       36     86     136       37     87     137       38     88     138       39     89     139       40     90     140       41     91     141       42     92     142       43     93     143       44     94     94       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149   |               | 27          | -                    | i          | $\dashv$           | 一        | $\neg$   | $\dashv$  | 一        | $\dashv$ | $\neg$   |            |      |       | Н          |          |          |          |          |          | $\neg$       | $\dashv$    | 1∶          | ऻ                         |                |         | -                  | $\dashv$  | 寸        | 一        | $\neg$   | 一        |           |          | 一           |   |   |
| 29   79   129     30   80   130     31   81   131     32   82   132     33   83   133     34   84   134     35   85   135     36   86   136     37   87   137     38   88   138     39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |               |             | ▎                    |            | $\overline{\cdot}$ | •        |          | 寸         | $\dashv$ | 寸        |          | ٠.٠        |      |       |            |          |          |          |          |          | 7            |             |             |                           |                |         | $\dashv$           | 寸         | 一        |          | $\neg$   | _        |           |          |             |   |   |
| 30   |               |             |                      |            |                    |          |          | _         |          |          |          | •          |      |       |            |          |          | _        |          |          |              | T           | 7           |                           |                |         |                    | T         |          |          |          |          |           |          |             |   |   |
| 32     33     34     34     34     34     34     34     34     34     34     34     34     35     35     35     35     35     36     36     36     36     36     36     36     36     36     36     36     36     36     36     37<   |               |             |                      |            |                    |          |          |           |          | 7        |          |            |      |       |            |          |          |          |          | $\dashv$ |              |             | 7::         | Ī                         | İ              |         |                    |           |          |          |          |          |           |          |             |   |   |
| 33   83   133     34   84   134     35   85   135     36   86   136     37   87   137     38   88   138     39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |               |             |                      |            |                    |          |          |           |          |          |          | ٠.         |      |       |            |          |          |          |          |          |              |             |             |                           |                | 131     |                    |           |          |          |          |          |           |          |             |   |   |
| 34   84   134     35   86   135     36   136   136     37   87   137     38   88   138     39   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149   |               |             |                      |            |                    |          |          |           |          |          |          | •          |      |       |            |          |          |          |          |          |              |             | □.          | [                         |                |         |                    |           |          |          |          |          |           |          |             |   |   |
| 35   85   135   136     36   86   136   137     37   87   137   137     38   88   138   139     40   90   140   141     41   91   141   141     42   92   142   143     43   93   143   143     44   94   144   144     45   95   145   146     47   97   147   148     48   98   148   148     49   99   149   149  |               |             | <u> </u>             |            |                    |          |          | $\perp$   | $\perp$  | _        | _        | . 1        |      |       |            |          |          |          |          |          |              |             | _ ;         | L                         |                |         |                    | $\perp$   |          |          |          | [        |           |          |             |   |   |
| 35   |               |             | <u> </u>             |            | _                  |          |          |           | _        | _        | _        | -          |      |       |            |          |          |          |          | _        | _            |             |             |                           |                |         |                    |           |          | _        | _        |          | _         |          |             |   |   |
| 37   87   137     38   88   138     39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  | ļ             |             | <u> </u>             |            | _                  |          | !        | $\perp$   | _        | _        |          |            |      |       |            |          |          |          |          | $\dashv$ | $\perp$      | $\perp$     | _ ∷         |                           |                |         |                    |           | _        |          |          |          |           |          |             |   |   |
| 37   |               |             | <u> </u>             |            | _                  | _        |          | $\dashv$  | -        | -        | _        |            |      |       |            |          |          | $\Box$   |          | _        | _            | _           | 4           | -                         |                |         |                    |           |          | _        |          | _        |           |          |             |   |   |
| 39   89   139     40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |               |             |                      |            |                    |          |          |           |          | -        |          |            |      |       | $\vdash$   |          | _        | _        | $\dashv$ |          | $\dashv$     | +           | <b>⊣</b> .: | · ]_                      |                |         |                    |           | _        |          |          | _        |           |          | _           |   |   |
| 40   90   140     41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  | <b></b>       |             | ├                    |            |                    |          |          |           |          |          |          |            |      |       |            | -        |          | $\dashv$ |          |          | $\dashv$     | +           | -4::        | : : -                     |                |         |                    |           |          |          |          |          |           | -        | $\dashv$    |   |   |
| 41   91   141     42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |               |             | ├                    |            | -                  |          |          |           | -        | -        |          |            |      |       |            |          |          | $\dashv$ |          | -        | $\dashv$     | $\dashv$    | - :         |                           | <del> </del>   |         |                    |           | -        |          |          |          |           |          | {           | • |   |
| 42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |               |             | ├                    |            | -                  |          |          | $\dashv$  | $\dashv$ | -        | $\dashv$ |            |      |       |            |          |          |          |          |          | +            | $\dashv$    | - ∷         | :: -                      |                |         | $\dashv$           | -+        | $\dashv$ | -+       |          |          |           |          |             |   |   |
| 43 93 143   44 94 144   45 95 145   46 96 146   47 97 147   48 98 148   49 99 149  |               |             | -                    | $\vdash$   | $\dashv$           | $\dashv$ | -        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |            |      |       |            |          |          |          |          | -+       | -            |             | ⊣::         | ╬                         | <del>- i</del> |         | $\dashv$           | $\dashv$  | $\dashv$ | -+       |          |          |           |          | $\dashv$    |   |   |
| 44 94 144   45 95 145   46 96 146   47 97 147   48 98 148   49 99 149  |               |             | -                    | $\vdash$   | -+                 | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | ㅓ        | .:: :      |      |       | H          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | +           | -           | $\cdot \cdot \mid \vdash$ |                |         |                    | +         | $\dashv$ | $\dashv$ | -        |          |           |          |             |   |   |
| 45 95   46 96   47 97   48 98   49 99  |               |             | 1                    |            | -+                 | +        | $\dashv$ | $\dashv$  | $\dashv$ | $\neg$   | ㅓ        |            |      |       | H          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$     | $\dashv$    | - 1.        |                           |                |         | 1                  | +         | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$  |          | $\dashv$    |   |   |
| 46 96   47 97   48 98   49 148   |               |             |                      |            | $\dashv$           | _        |          | _         | 7        | 1        |          |            |      |       |            | $\neg$   |          |          | $\neg$   | $\dashv$ | $\dashv$     | $\top$      | ٦٠          | T                         |                |         |                    | -         | _        | $\dashv$ | 7        | $\dashv$ | $\exists$ |          | $\dashv$    |   |   |
| 47 97   48 98   49 99  |               |             |                      |            |                    |          |          | $\Box$    | $\Box$   |          | $\Box$   | •          |      |       | П          |          |          |          |          |          |              |             | 7:          | 十                         |                |         |                    | $\neg$    | $\neg$   |          | 7        | _        |           |          | $\neg \neg$ |   |   |
| 48 98   49 99  |               | 47          |                      |            |                    |          |          |           |          |          |          | .          |      | 97    |            |          |          |          |          |          |              |             | <u>]</u> `. | 1                         |                |         |                    | $\Box$    |          |          |          |          |           |          |             |   | • |
|  |               |             |                      |            | $\Box$             |          |          | $\Box$    |          |          |          | Ì          |      |       |            |          |          |          |          |          |              |             |             |                           |                | 148     |                    |           |          |          |          |          |           |          |             |   |   |
| 50   |               |             |                      |            | [                  |          | [        | $\bot$    | $\prod$  | $\bot$   |          | ļ          |      |       |            |          |          |          | $\Box$   | [        |              |             |             |                           |                |         |                    | $\Box$    | $\Box$   | _[       |          |          | $\Box$    |          | $\Box$      |   |   |
|  | L             | 50          | <u></u>              |            |                    |          |          |           |          |          |          | l          | ]    | 100   | L          | 1        |          | l        |          | L        |              |             |             | L                         |                | 150     |                    | [         |          | [        | [        | $\prod$  | ]         |          |             |   |   |
|  |               |             |                      |            |                    |          |          |           |          |          |          |            |      |       |            |          |          |          |          |          |              |             |             |                           |                |         |                    |           |          | _        |          |          |           |          |             |   |   |

Application/Control No.

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Index of Claims

Applicant(s)/Patent under Reexamination

AHLGREN ET AL.

Art Unit